

Appendix A: Presentation Used At the Pre-Design Meetings With the Stakeholder Agencies



Los Angeles County Department of Public Works

Gateway Cities Traffic Signal Synchronization and Bus Speed Improvement Project I-5/Telegraph Road Corridor

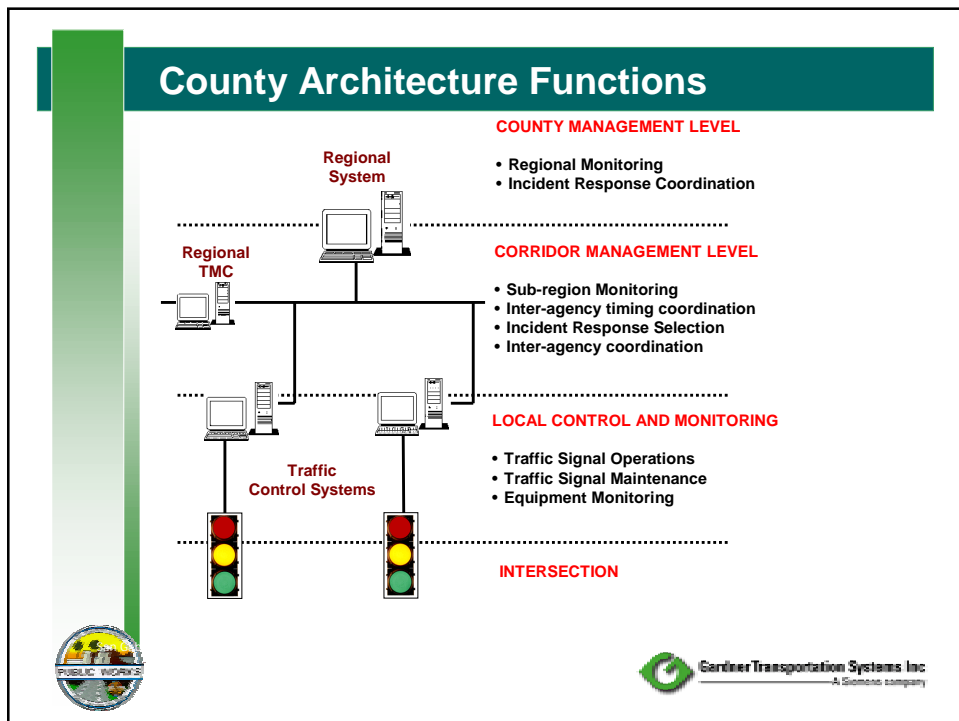
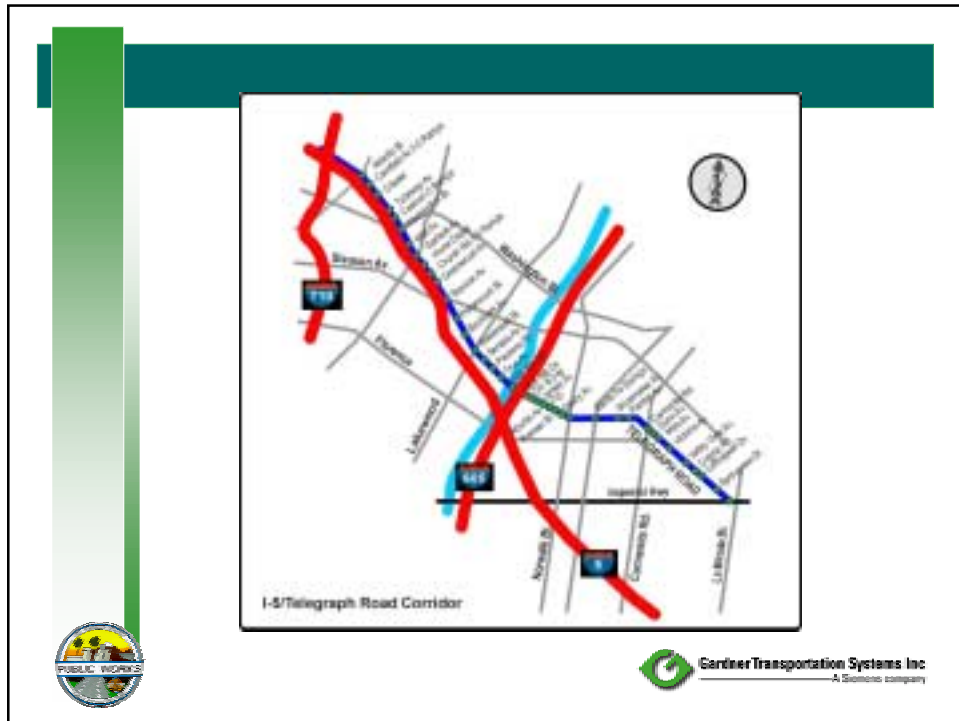
Agency Pre-Design Meetings



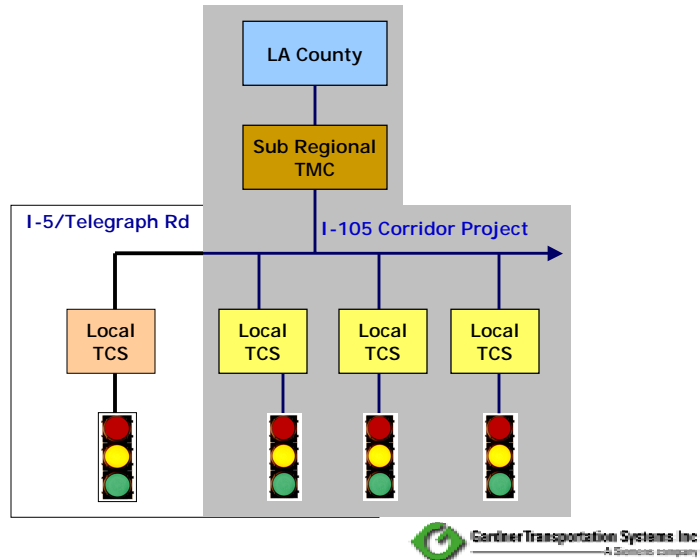
Agenda

1. Project Background
2. Current Agency Equipment
3. Current Operations
4. Equipment Upgrades
5. Future Operations

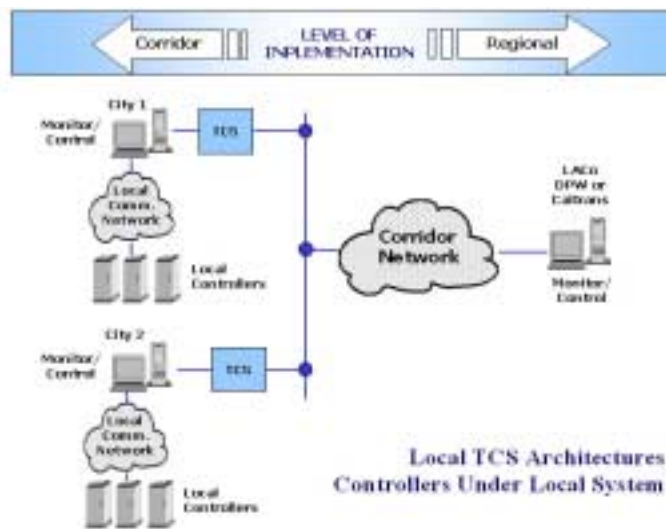




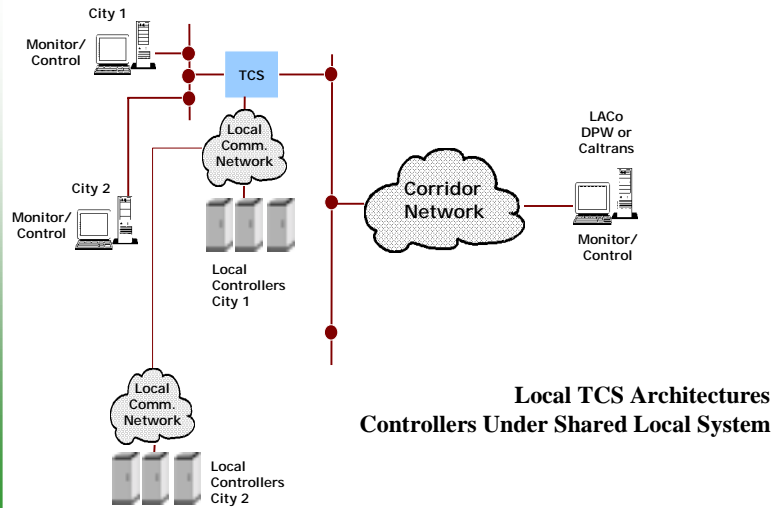
Concurrent Projects



Concept of Local TCS Architecture (1)

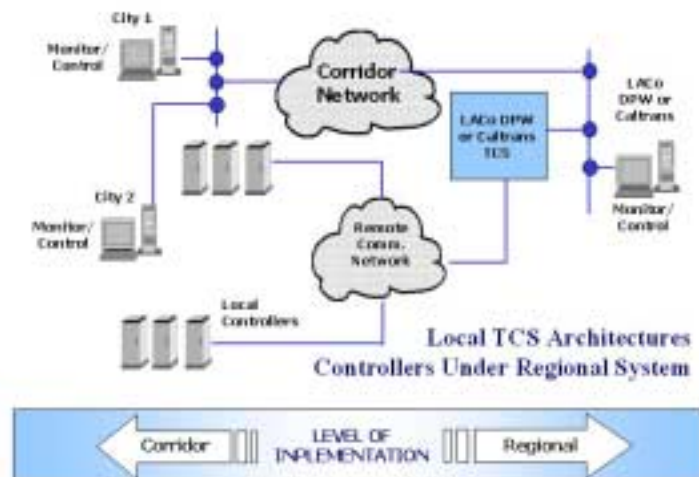


Concept of Local TCS Architecture (2)



Gardiner Transportation Systems Inc
A Siemens company

Concept of Local TCS Architecture (3)



Gardiner Transportation Systems Inc
A Siemens company

Project Issues

- Advanced Traffic Management System
 - Relationship between Telegraph Road and other signals
 - Accommodating local agency requirements
 - Accommodating shared operational responsibilities
- System Integration
 - Corridor
 - Regional
- Communications System
 - The Sub-Regional Network
 - Video
 - National Standards



Agenda

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Signal Controller Upgrade Options (examples)

170 (existing)

- 170 (HC11 Board)
- 170 with 470i Board
- 170 ATC (Engine Board upgrade)
- 2070
- (Future) Advanced Transportation Controller (not defined)

NEMA

- Same supplier; new equipment
- New Supplier
- 2070
- (Future) Advanced Transportation Controller (not defined)



Intersection Upgrade Options (examples)

- Controller
 - NEMA
 - 170
- Detection
 - Loop
 - Video
- Furniture
 - Mast Arms
 - Heads



Interconnect Upgrade Options (examples)

- Hardwire
 - Copper to replace leased lines
 - Copper replacement
- Fiber Optic
- Wireless
 - Spread Spectrum
 - Microwave
 - Leased services
 - Metricom
 - AT&T CDPD





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Future Operations

System Operations

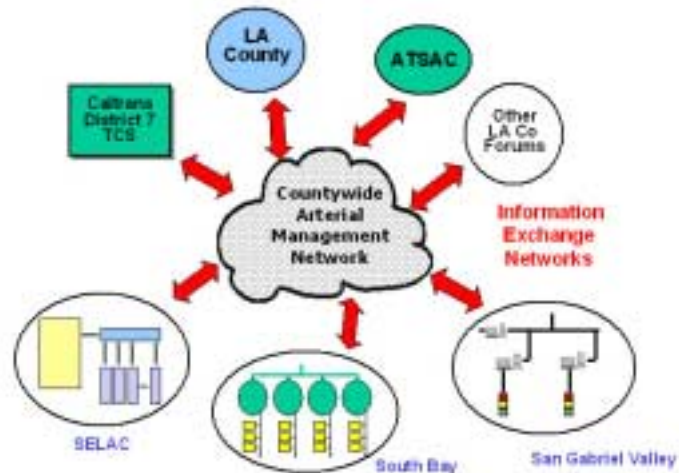
- Signal Timing
- Inter-agency Coordination
- Special Event Management
- Incident Response

System Management

- Equipment Monitoring
- Back-ups
- Upgrades

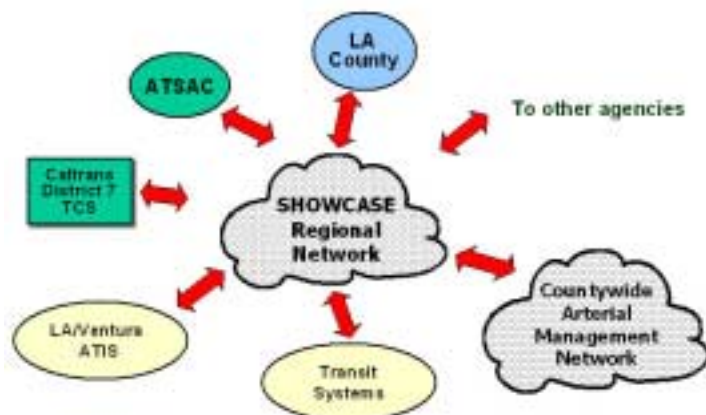


Concept of Integration - Arterial



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Concept of Integration - Regional



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